

**Know what's below.
Call before you dig.**

**FOR UTILITY LOCATIONS
CONTACT "ONE CALL" AT 811
AT LEAST 48 HOURS
PRIOR TO CONSTRUCTION**

TEMPORARY TRAFFIC CONTROL (TTC) CITY OF GAITHERSBURG REQUIREMENTS

The permittee shall refer to the attached temporary traffic control plan (TTCP) drawings to select the appropriate work zone temporary traffic controls for each phase on construction. Work zone situations which are not addressed in the attached TTCP shall conform to the guidelines set forth in section 6 of the latest edition of the *Manual on Uniform Traffic Control Devices for Street and Highway* (MUTCD).

The permittee shall have a "certified" traffic control manager on site during all phases of construction at all times.

Each phase of the construction, including the follow up restoration operations shall include appropriate work zone traffic controls shown on the plans.

Road closures of any duration shall require the submittal of a written request to the City of Gaithersburg with justification as to why work activity cannot occur while traffic is being maintained. Road closure shall require additional temporary traffic controls including advanced notification, approach, and detour signage, as approved by the City of Gaithersburg.

All sidewalk closures shall require the approval of the City of Gaithersburg. Any sidewalk closure greater than two (2) weeks shall require the submittal of a written request to the City of Gaithersburg and may require additional temporary traffic controls and/or temporary sidewalk by-pass. Any work affecting sidewalk shall be specified and a proper pedestrian detour shall be shown on plans and submitted for review. Sidewalk closures shall be limited to occur only during the actual work activity. During closure, sidewalks shall be barricaded to physically prevent pedestrian passage and appropriate pedestrian detours shall be posted. During all other times, provisions for safe pedestrian access through the work area via temporary walkway shall be provided.

Any work within the traveled portion of roadways shall be restricted to the hours of 9:00 AM to 3:00 PM, Monday through Friday. Work on holidays and weekends shall not occur unless an exception is granted in writing by the City of Gaithersburg Inspector.

Construction activity, loading or unloading of equipment shall not block any traffic lane other than those delineated within the work zone.

Exclusive of emergency work, the permittee shall contact occupants of all adjoining properties and inform them of the scope and timing of construction. A minimum of 24 hours notification shall be required prior to the commencement of any activity on the site.

Access shall be maintained to all driveway unless permission for closure is granted the the property owner/manager. However, accessibility for emergency vehicles shall be maintained at all times.

Pavement excavation shall be limited to a maximum of one travel lane at any time unless otherwise specified on the TTCP.

No hazardous materials shall be stored within public right-of-way. No materials or equipment shall be stored on the roadway surfaces of sidewalk during non-work hours.

All existing traffic control devices (i.e. signs, markings, etc.) that must be removed shall be replaced in their proper location prior to the completion of the project. Cost for the replacement and/or repair of devices damaged as a result of the project shall be assessed to the permittee.

For merging, shifting, shoulder taper, the MAXIMUM spacing between devices equals the posted speed in feet.

All temporary traffic control devices shall conform to the most recent edition of the MUTCD. All signs, traffic drums and cones shall be fully reflectorized with high intensity, reflective sheeting as per the MUTCD.

Provision shall be made for safe maintenance of pedestrian and bicycle traffic, subject to approval of the City of Gaithersburg Inspector. At least one 10-foot travel lane shall be available for traffic at all times.

Signage, traffic drums, traffic cones, and arrow panels shall be placed in accordance with the appropriate typical and spacing chart. Work Area Ahead (W20-1 modified) signs must be installed at the end of each workday when temporary aggregate ramping is implemented. Channelizing devices shall be placed along excavations at ten (10) foot intervals. Arrow Panels (flashing mode placed along only) shall be used at the beginning of any lane closure on a multi-lane roadway.

Appropriate distances for sign legends are "AHEAD", "500 FT.", "1000 FT.", "1500 FT.", or "1/2 MILE". For distances less than 500 feet, "AHEAD" shall be used.

All warning signs, unless otherwise specified, shall be a minimum of 48" X 48", black symbol or legend on orange background and diamond shaped. All warning signs not applicable to the actual situation shall be removed or covered during non-applicable periods. All portable signs shall be mounted a minimum of one (1) foot above the level of the roadway, with higher mounting heights desirable.

During nighttime operations traffic drums shall be used. However, for emergency work activities where traffic drums are not readily available, reflectorized traffic cones that are a minimum of twenty eight (28) inches in height and having six (6) inch and four (4) inch reflective collars within the top sixteen (16) inches of the cone may be used. All work areas left unattended at night shall be delineated with traffic drums.

When temporary concrete barrier (TCB) is used, reflectorized markers as per TTCP 109.02. Also a 12" x 36" object marker (vertical panel as per TTCP 109.01) shall be used.

When pavement markings have been obliterated by the work activity, the permittee shall install any critical interim pavement markings prior to the end of the workday as specified by the City of Gaithersburg Inspector and/or the City of Gaithersburg. On road sections that are not scheduled to be overlaid, all temporary pavement markings shall be (removable) detour grade marking tape. Any conflicting markings, which need to be temporarily removed, are to be masked using "3W Removable Black Lane Mask" or an approved equal. On road sections that are to be overlaid, temporary markings can be either tape or paint. Any conflicting markings should be removed with a pavement grinder.

FLAGGING OPERATIONS:

When possible, two-way traffic shall be maintained, otherwise, flaggers shall be used to control traffic.

Flaggers shall be Maryland State Highway Administration or AATS approved flaggers and shall be used at the direction of the City of Gaithersburg Inspector. Flaggers shall use STOP/SLOW paddles to direct traffic.

Radio communication shall be required between flaggers at the discretion of the City of Gaithersburg Inspector or under the following conditions:

- flaggers cannot see each other
- flaggers are more than 200 feet apart.

PAVEMENT DROP-OFF:

Any excavation(s) shall be paved to level grade or plated and the roadway shall be reopened to its full cross-section prior to the end of the workday. "STEEL PLATES" (W95-5(1)) signs shall be placed approximately 250 feet in advance of any steel plate. Any excavation in the sidewalk shall be backfilled or graded prior to the end of each workday and sidewalk reopened to its full cross section.

Traffic shall not be permitted within ten (10) feet of any excavation that results in a vertical drop-off of more than five (5) inches in the level of pavement during non-working hours unless protected by temporary concrete barriers or ramped with aggregate material at a 3:1 or flatter slope from the edge of pavement. When ramping is utilized, Temporary Traffic Control drums shall be positioned adjacent to the edge of the work area on the traffic side of the slope.

Traffic shall not be permitted within two (2) feet of any excavation that results in a vertical drop-off of more than two (2) inches but no more than five (5) inches in the level of pavement during non-working hours unless either ramped with aggregate material at a 3:1 or flatter slope, provided with an abutting wedge of bituminous material at a 3:1 or flatter slope or protected by traffic drums.

In areas where a drop-off in the level of pavement is two (2) inches or less, traffic may be allowed to freely cross under the following conditions:

- Where longitudinal paving joints of two (2) inches or less are exposed to traffic, warning signs shall be posted indicating "UNEVEN LANES" (WB-11). The signs should be placed 250 feet in advance of the uneven joint and be spaced at appropriate intervals throughout the area of the uneven joint.
- Where lateral drop-off or rise-ups of two (2) inches or less are exposed to traffic, a "BUMP" (WB-1) sign shall be posted 100 feet in advance of the joint.
- When milled pavement is left exposed to traffic a "ROUGH ROAD" (WB-8) or "GROOVED PAVEMENT" (WB-8a) sign shall be placed 250 feet in advance of the milled area.

PARKING RESTRICTIONS:

All existing City of Gaithersburg "Parking" signs shall be covered or bagged by the contractor/permittee for the duration of work and a temporary "No Parking Anytime" (R7-4) sign shall be installed in the affected parking space(s). Existing City of Gaithersburg poles shall not be used for temporary installation.

When it is necessary to restrict parking in a non-metered area to facilitate work activity, the permittee shall contact the City of Gaithersburg for temporary "No Parking" signs.

The contractor/permittee shall restore all affected City of Gaithersburg parking signage to their previous conditions to the satisfaction of the City of Gaithersburg Inspector.

INSPECTOR AUTHORITY:

The City of Gaithersburg Inspector has the authority to modify the TTCP as deemed necessary. The Inspector has the authority to order the permittee to stop work and vacate the public right-of-way if the TTCP is not complied with.

The implementation date and continuance of work activity may be altered at the discretion of the City of Gaithersburg Inspector in the event of conflicts with previously approved or emergency activities.

MISCELLANEOUS:

The permittee will be solely responsible for all accidents and/or damage to persons and/or property damage resulting from his operations.

Hazardous materials shall not be stored within the public right-of-way. No materials or equipment shall be stored on the roadway surface of sidewalk during non-work periods. All stored materials and equipment shall be set back at least six (6) feet behind the curb along a closed section roadway and at least twelve (12) feet from the edge of an open section roadway.

All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time, TTC devices that are no longer appropriate shall be removed or covered.

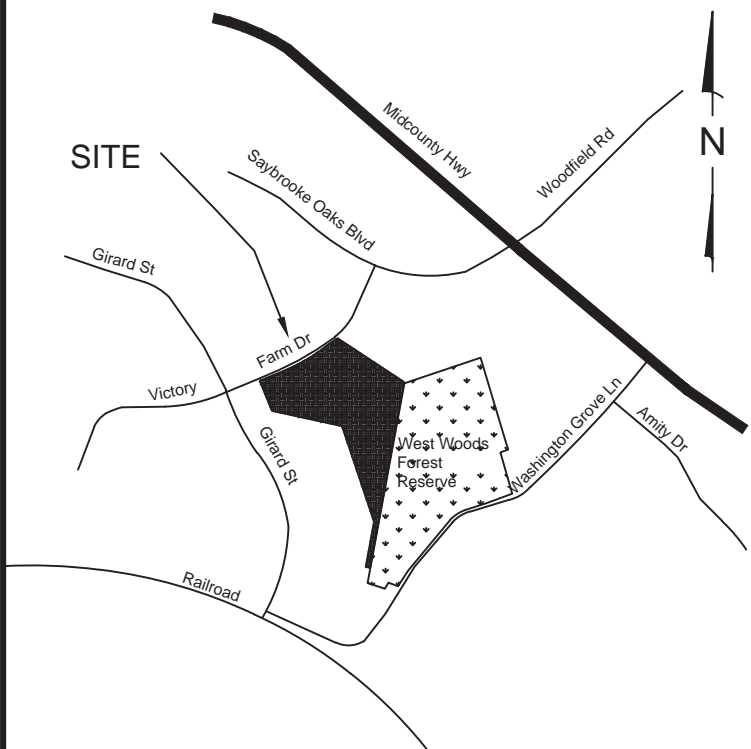
At the completion of work activities, conditions within the public space shall be fully restored to those that existed prior to the work activity to the satisfaction of the City of Gaithersburg Inspector.

**SPECIFIC INSTALLATION REQUIREMENTS
APPLICABLE TO WORK IN THE RIGHT-OF-WAY**

A STEEL PLATES, WHEN STEEL PLATES ARE USED TO COVER AN EXCAVATION ON PAVEMENT, THE STEEL PLATES MUST BE INLAYED OR RECESSED AND PINNED INTO THE PAVEMENT ADJACENT TO THE TRENCH WHEN STEEL PLATES ARE INLAYED OR RECESSED, THE SURFACE OF THE STEEL PLATE SHALL BE FLUSH WITH THE ADJACENT PAVEMENT SURFACE. ALL STEEL PLATES MUST BE LARGE ENOUGH TO ALLOW A MINIMUM OF ONE FOOT (1') OF BEARING ON ALL SIDES OF THE TRENCH.

1. THE CITY MAY ALLOW ALTERNATIVE BEARING REQUIREMENTS FOR STEEL PLATES WHEN BEARING ON ALL SIDES OF THE TRENCH IS IMPRACTICAL. ANY ALTERNATIVE DESIRED MUST INCLUDE A STANDARD DRAWING DEPICTING DESIRED ALTERNATIVE AND METHODOLOGY NOTED TO BE UTILIZED. STEEL PLATES ABUTTED EDGE TO EDGE CAN BE WELDED TOGETHER AND ANCHORED WITH PINS ON THE FOUR (4) OUTERMOST CORNERS. ADDITIONAL PINS SHALL BE SPACED AS NECESSARY TO ASSURE THE STEEL PLATES ARE SECURED. NO CORNER OF ANY STEEL PLATE SHALL OVERHANG THE EXCAVATED TRENCH. COLD MIX ASPHALT MUST BE TAPERED FROM THE HEIGHT OF THE STEEL PLATE TO THE EXISTING ROAD SURFACE FOR A MINIMUM DISTANCE OF ONE FOOT (1') RAMPING AT 18:1 SLOPE.

2. ADVANCE "STEEL PLATE AHEAD" WARNING SIGNS MARYLAND STATE HIGHWAY ADMINISTRATION (MSHA) DESIGN W21-9 SHALL BE PROPERLY POSTED AND MAINTAINED PER THE APPROVED PLAN AND TERMS OF CONDITIONS OF THE PERMIT AS APPLICABLE. AN ORANGE OR RED POST, WITH A MINIMUM HEIGHT OF 48 INCHES ABOVE GRADE, MUST BE INSTALLED AT THE EDGE OF PAVEMENT BESIDE AND STEEL PLATE BETWEEN NOVEMBER 1 AND APRIL 15 TO SERVE AS AN IDENTIFICATION MARKER FOR SNOW REMOVAL OPERATIONS. DURING THIS TIME FRAME, THE CITY MUST BE NOTIFIED FORT EIGHT (48) HOURS IN ADVANCE OF THE PLACEMENT OF STEEL PLATES AND AGAIN WHEN THE STEEL PLATES ARE REMOVED.



VICINITY MAP
SCALE 1" = 2,000'

SEQUENCE OF CONSTRUCTION:

THESE PLANS ARE NOT FOR THE CONSTRUCTION OF IMPROVEMENTS. FOR FURTHER INFORMATION OF THE PROPOSED SITE IMPROVEMENTS, PLEASE REFER TO THE CONSTRUCTION SITE PLANS.

PHASE 1:

INSTALL PHASE 1 TEMPORARY TRAFFIC CONTROL DEVICES. BEGIN SEWER INSTALLATION WITHIN THE LIMITS OF THE WORKZONE ALONG VICTORY FARM DRIVE.

DURATION: 2 DAYS

PHASE 2:

REMOVE PHASE 1 TTCD DEVICES AND INSTALL PHASE 2 TEMPORARY TRAFFIC CONTROL DEVICES. CONVERT EX. CURB INLET TO SDMH AND INSTALL NEW CURB INLET WITHIN THE LIMITS OF THE WORKZONE ALONG VICTORY FARM DRIVE.

DURATION: 2 DAYS

PHASE 3:

REMOVE PHASE 2 TTCD DEVICES AND INSTALL PHASE 3 TEMPORARY TRAFFIC CONTROL DEVICES. INSTALL WATERLINE WITHIN THE LIMITS OF THE WORKZONE ALONG VICTORY FARM DRIVE.

DURATION: 2 DAYS

PHASE 4:

REMOVE PHASE 3 TTCD DEVICES AND INSTALL PHASE 4 TEMPORARY TRAFFIC CONTROL DEVICES. CONTINUE WATERLINE INSTALLATION WITHIN THE LIMITS OF THE WORKZONE ALONG VICTORY FARM DRIVE.

DURATION: 4 DAYS

PHASE 5:

REMOVE PHASE 4 TTCD DEVICES AND INSTALL PHASE 5 TEMPORARY TRAFFIC CONTROL DEVICES. REMOVE EXISTING ENTRANCE AND INSTALL NEW CURB AND SIDEWALK.

DURATION: 10 DAYS

PHASE 6:

REMOVE PHASE 5 TTCD DEVICES AND INSTALL PHASE 6 TEMPORARY TRAFFIC CONTROL DEVICES. CONSTRUCT NEW ENTRANCE AND REBUILD EXISTING SIDEWALK.

DURATION: 10 DAYS

PHASE 7:

REMOVE PHASE 6 TTCD DEVICES AND INSTALL PHASE 7 TEMPORARY TRAFFIC CONTROL DEVICES. REMOVE EXISTING RAISED CROSSWALK AND INSTALL NEW RAISED CROSSWALK WITHIN THE LIMITS OF THE WORKZONE ALONG VICTORY FARM DRIVE.

DURATION: 2 DAYS

PHASE 8:

REMOVE PHASE 7 TTCD DEVICES AND INSTALL PHASE 8 TEMPORARY TRAFFIC CONTROL DEVICES. REMOVE EXISTING RAISED CROSSWALK AND INSTALL NEW RAISED CROSSWALK WITHIN THE LIMITS OF THE WORKZONE ALONG VICTORY FARM DRIVE.

DURATION: 2 DAYS

PHASE 9:

REMOVE PHASE 8 TTCD DEVICES AND INSTALL PHASE 9 TEMPORARY TRAFFIC CONTROL DEVICES. REBUILD EXISTING SIDEWALK AND INSTALL NEW PEDESTRIAN RAMP.

DURATION: 4 DAYS

PHASE 10:

REMOVE PHASE 9 TTCD DEVICES AND INSTALL PHASE 10 TEMPORARY TRAFFIC CONTROL DEVICES. REMOVE EXISTING SIDEWALK RAMPS AND REBUILD EXISTING CURB & GUTTER.

DURATION: 4 DAYS

TOTAL DURATION: 42 DAYS

NOTE: CONTRACTOR HAS OPTION TO MODIFY SEQUENCE OF CONSTRUCTION WITH THE CITY OF GAITHERSBURG ROW INSPECTOR'S APPROVAL. ANY CHANGE IN TRAFFIC CONTROL WILL REQUIRE A PLAN REVISION.

ALLOWABLE WORKING HOURS: 8AM TO 3PM, MONDAY THROUGH FRIDAY, EXPECT HOLIDAYS

GENERAL NOTES:

1. CONTRACTOR MUST MAINTAIN ACCESS TO ALL EX. DRIVEWAYS UNLESS OTHERWISE NOTED
2. MAINTAIN 10' MINIMUM TRAVEL LANES
3. TEMPORARY CONSTRUCTION SIGNS MUST BE MOUNTED IN A WAY THAT DOES NOT IMPEDE EX. SIGHT DISTANCE
4. CHANNELIZING DEVICES MUST BE SET UP IN A WAY THAT DOES NOT BLOCK EX. DRIVEWAY ACCESS AT ANY LOCATION
5. ALL STEEL PLATES ARE TO BE RECESSED AND PINNED
6. NO PARKING RESTRICTION NOTICES ARE TO BE POSTED 48 HOURS IN ADVANCE OF THE SCHEDULED WORK
7. ALL AFFECTED/ADJACENT PROPERTY OWNERS SHALL BE NOTIFIED OF UPCOMING WORK AND TTCD MEASURES AT LEAST 48 HOURS IN ADVANCE OF THE SCHEDULED WORK

CITY OF GAITHERSBURG PLANNING COMMISSION
31 SOUTH SAINT JOHNS, GAITHERSBURG, MARYLAND 20878

SITE PLAN APPROVAL

AT THE REGULARLY SCHEDULED MEETING OF THE PLANNING COMMISSION HELD ON _____, November 4, 2020.

APPLICATION NO. _____ SP-8653-2020 _____ WAS GRANTED

FINAL SITE PLAN APPROVAL

WITH THREE (3) CONSENT(S) SEE SIGN LETTER

DATE: 11/03/2021 BY: *James A. Hahn*

NOTE: ANY REVISIONS TO SIGNED PLANS MUST BE APPROVED BY THE PLANNING COMMISSION OR PLANNING STAFF

CITY OF GAITHERSBURG
DEPARTMENT OF PUBLIC WORKS

FINAL APPROVAL

APPLICATION NO. SP-8653-2020

DATE: January 6, 2021

BY: *William P. Ryan*

ARCHITECT

SEI SMOLEN • EMR
• ILKOVITCH
ARCHITECTS

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MONTGOMERY VILLAGE, MD 20886
301-670-0840(P)

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COMPREHENSIVE
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240-200-5599(P)

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JAMES POSEY ASSOCIATES

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NYIKOS-GARCIA
FOODSERVICE DESIGN, INC.
1821-A FLOWER HILL WAY
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240-683-9530 (P)

SUSTAINABILITY
DOO CONSULTING, LLC

531 PICCADILLY ROAD
BALTIMORE, MD 21204
443-653-3792 (P)

CONSTRUCTION MANAGER
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700 KING FARM BLVD, SUITE 200
ROCKVILLE, MD 20850
301-795-3100 (P)

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No.: 16905, Expiration Date: 4.21.2022.

PROFESSIONAL SEAL:



PRINTS ISSUED

NO.	DESCRIPTION:	DATE:
1.	SCHEMATIC DESIGN	11/01/2019
2.	DD KICKOFF	12/03/2019
3.	COORDINATION SET 1	02/03/2020
4.	DD PRICING SET	03/09/2020
5.	DESIGN DEVELOPMENT	04/06/2020
6.	65% CD SET	06/15/2020
7.	PERMIT SET	08/10/2020
8.	CD IAC SET	09/04/2020

GAITHERSBURG
CLUSTER
ELEMENTARY
SCHOOL #8

MONTGOMERY
COUNTY PUBLIC
SCHOOLS

SHEET TITLE:

TEMPORARY
TRAFFIC
CONTROL PLAN

PROJECT NO:

19007

DATE:

12/04/20

SCALE:

NONE

SHEET NO:

C7.01